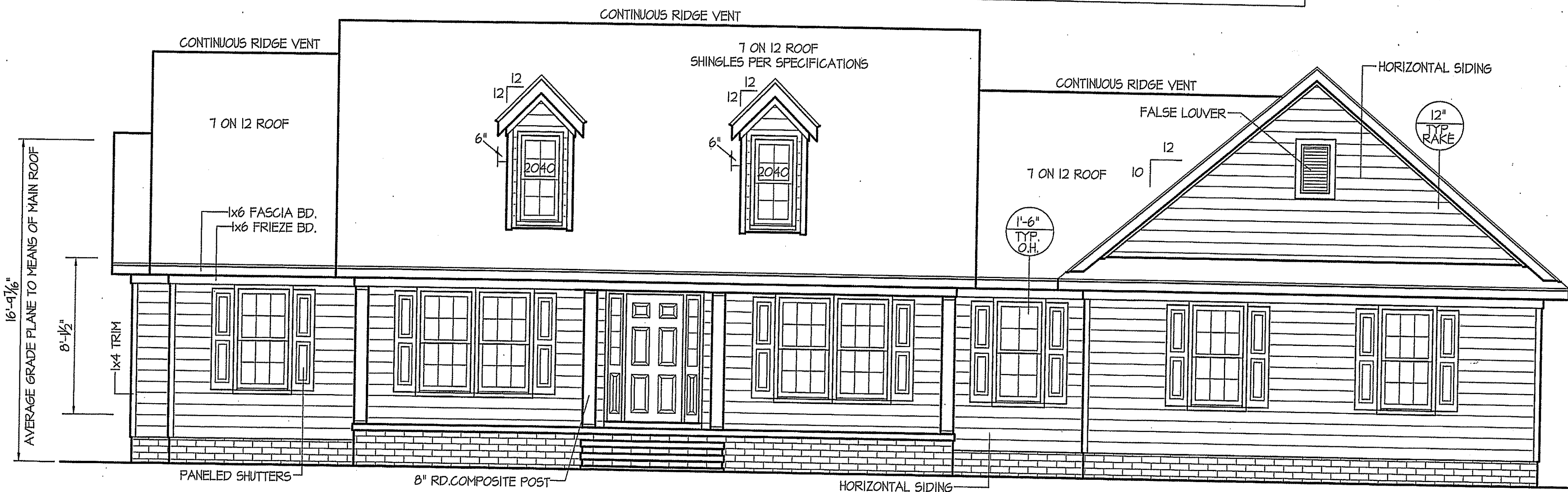
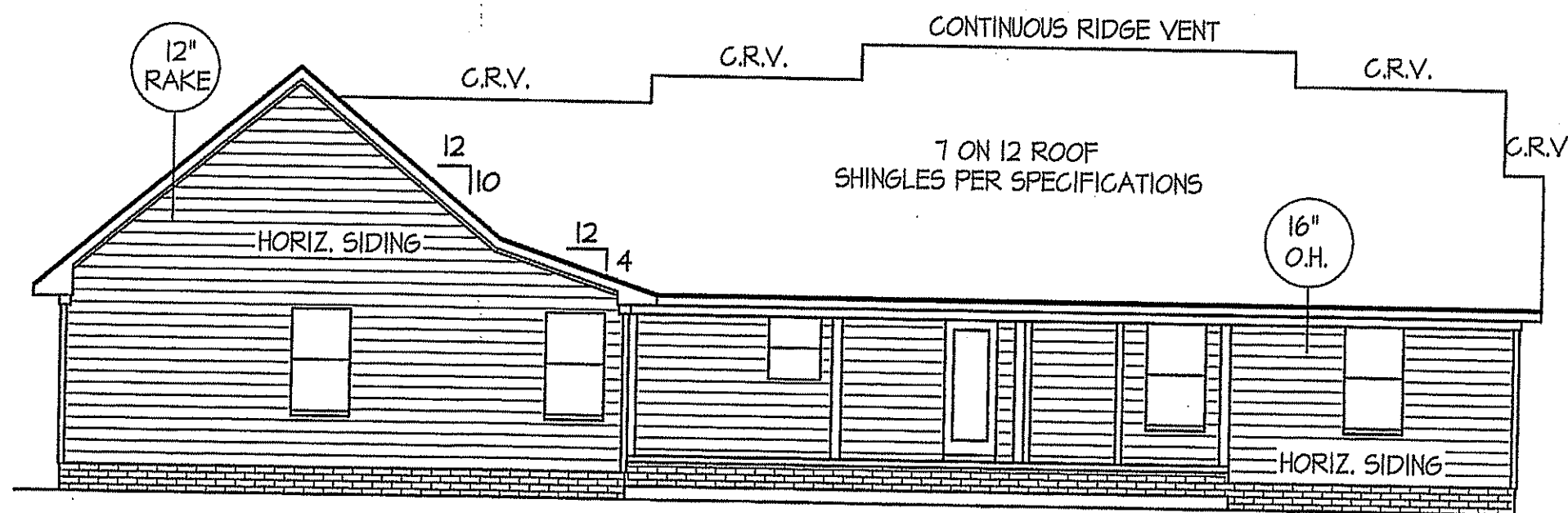


THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION



**FRONT ELEVATION**

SCALE: 1/4" = 1'-0"



**REAR ELEVATION**

SCALE: 1/8" = 1'-0"

WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

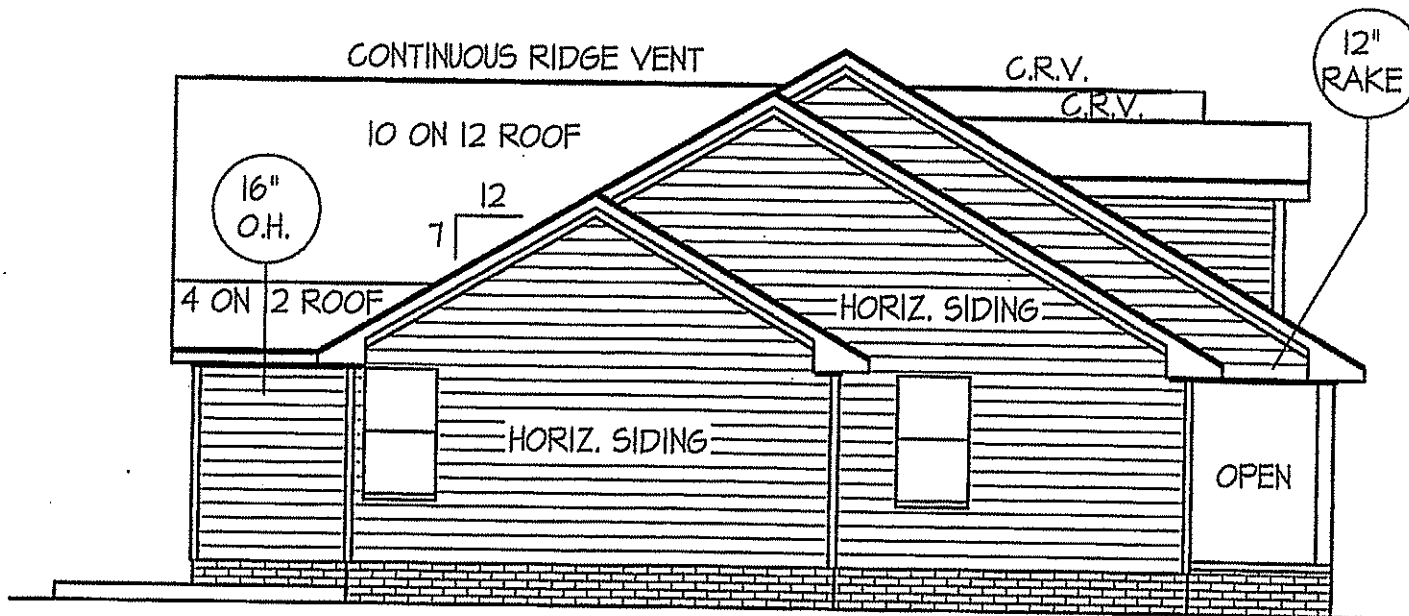
INSULATION and FENESTRATION REQUIREMENTS

CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-38	R-38
MINIMUM WALL R-VALUE	R-15, 13+25	R-15, 13+25
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/13	10/15
MIN. SLAB R-VALUE	0	R-10

PROVIDE STEPS AS REQUIRED  
GRADE MAY VARY - BUILDER TO VERIFY

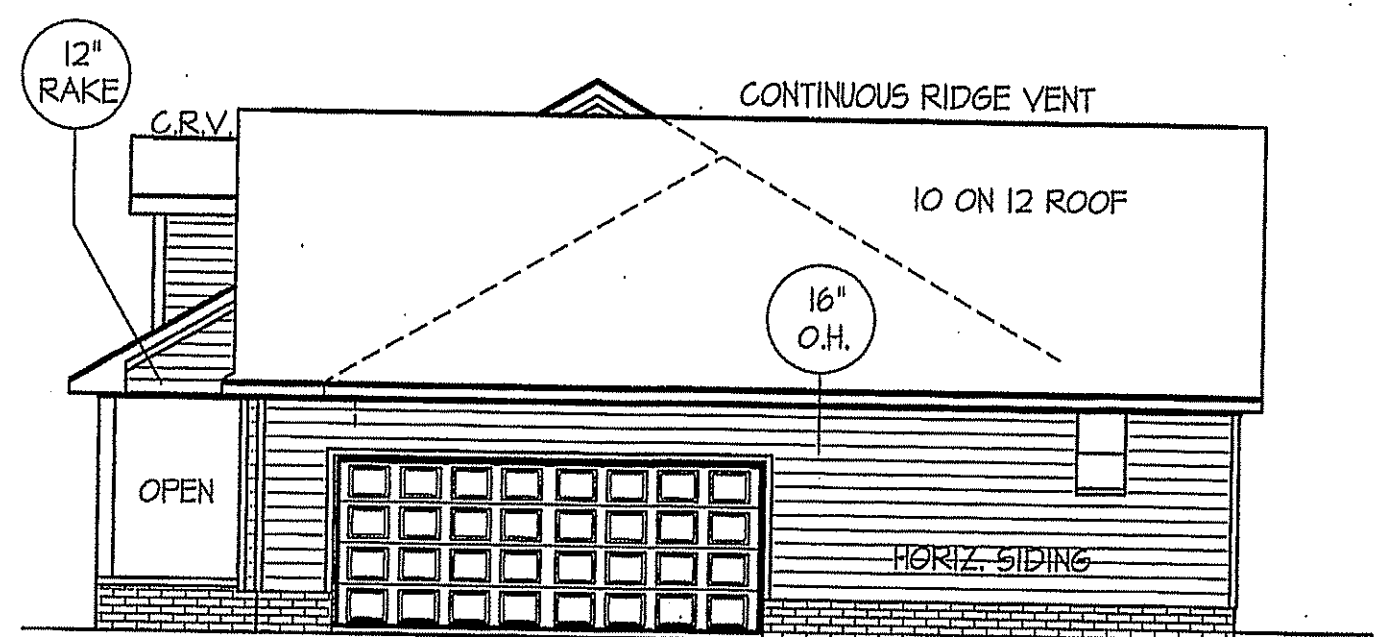
ROOF VENTILATION REQ'MTS.  
2240 ATTIC SQ. FT. / 300 = 7.47

PROVIDED ON PLAN  
109 L.F. RIDGE VENT = 20.43  
144 L.F. SOFFIT VENT = 9.0  
TOTAL = 29.43 S.F. FREE NET AREA



**LEFT ELEVATION**

SCALE: 1/8" = 1'-0"

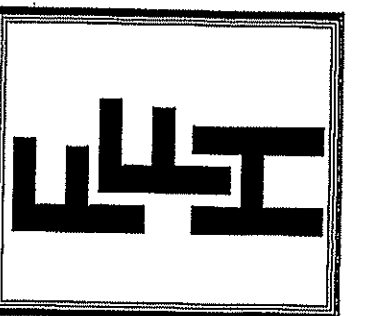


**RIGHT ELEVATION**

SCALE: 1/8" = 1'-0"

DATE:  
JULY 13, 2020

**FREEDOM FAMILY HOMES**  
P.O. BOX 608  
DUNN, N.C. - 28335  
O: (910) 892-1231 FAX: (910) 892-5680  
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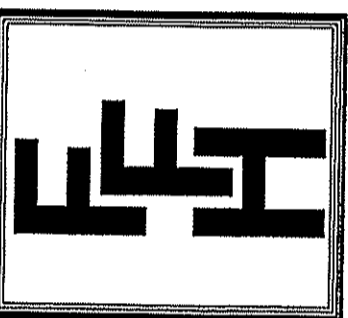
EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**Campbell-Benson**

SHEET NO.  
**1**

TB  
TSB

DATE:  
JULY 13, 2020

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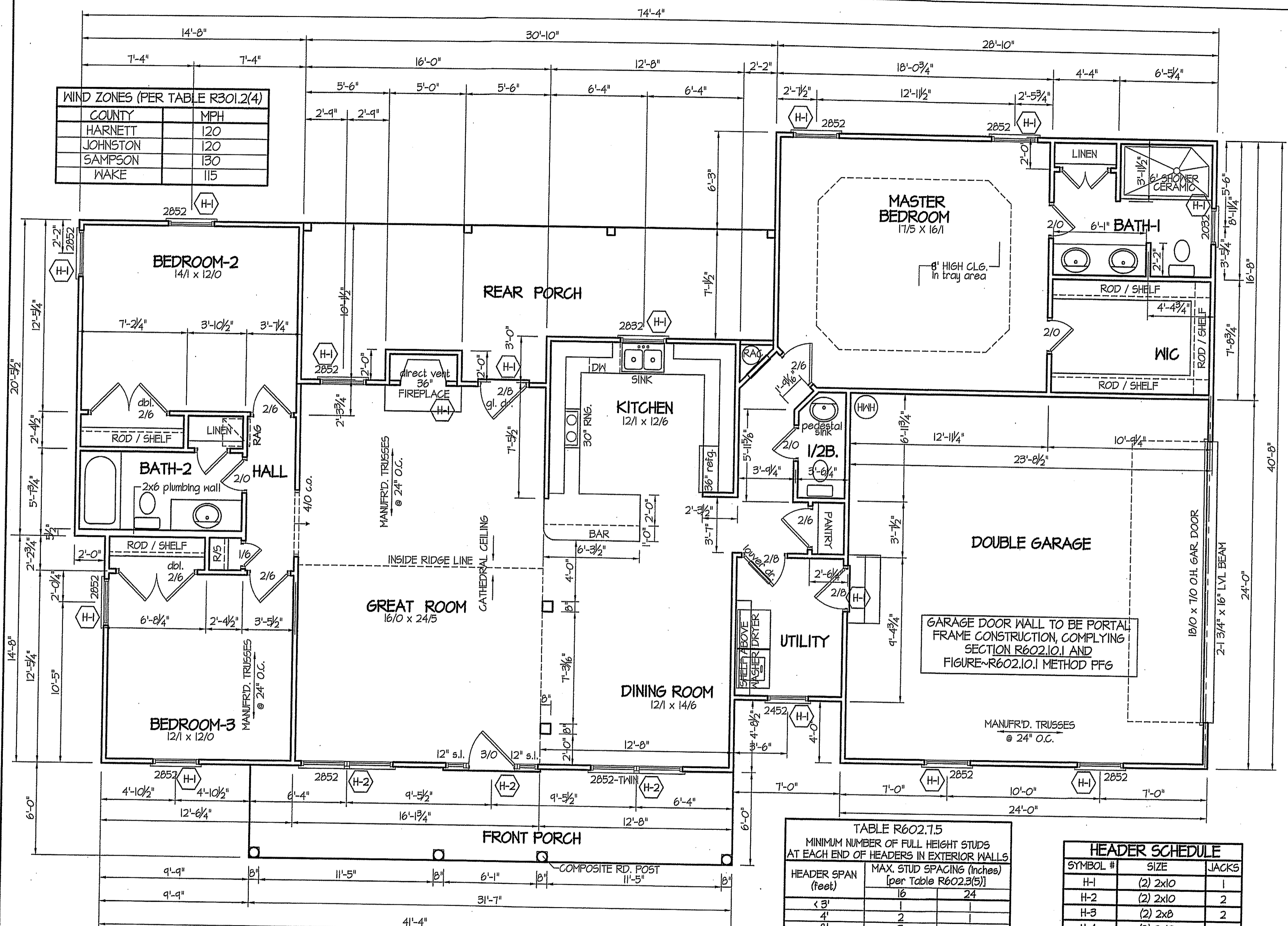


EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**Campbell-Benson**

SHEET NO.  
**2**

WIND ZONES (PER TABLE R301.2(4))

COUNTY	MPH
HARNETT	120
JOHNSTON	120
SAMPSON	130
WAKE	115



**SECTION R407~COLUMNS**  
R407.3 STRUCTURAL REQUIREMENTS.  
THE COLUMNS SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END. WOOD COLUMNS SHALL BE NOT LESS IN NOMINAL SIZE THAN 4 INCHES BY 4 INCHES (102 mm BY 102 mm). STEEL COLUMNS SHALL BE NOT LESS THAN 3-INCH-DIAMETER (76 mm) SCHEDULE 40 PIPE MANUFACTURED IN ACCORDANCE WITH ASTM A53 GRADE B OR APPROVED EQUIVALENT.

ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS WILL BE 2x10 #2 SPF UNLESS OTHERWISE NOTED.

TYP. 8' CEILINGS  
**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
1085 S.F. (HEATED-FRAME)  
120 S.F. (FRONT PORCH)  
250 S.F. (REAR PORCH)

**TABLE R602.7.5**  
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (feet)	MAX. STUD SPACING (Inches) [per Table R602.3(5)]	
< 3'	16	24
4'	1	1
8'	2	2
12'	3	3
16'	4	4

GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).

**HEADER SCHEDULE**

SYMBOL #	SIZE	JACKS
H-1	(2) 2x10	1
H-2	(2) 2x10	2
H-3	(2) 2x8	2
H-4	(2) 2x12	2
H-5	(2) 1.75 x 9.25 LVL	3

ALL EXTERIOR WALLS TO BE SHEATHED WITH CS-WSP (1/16" OSB) IN ACCORDANCE WITH SECTION R602.10.3 UNLESS OTHERWISE NOTED.

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DATE:

JULY 13, 2020

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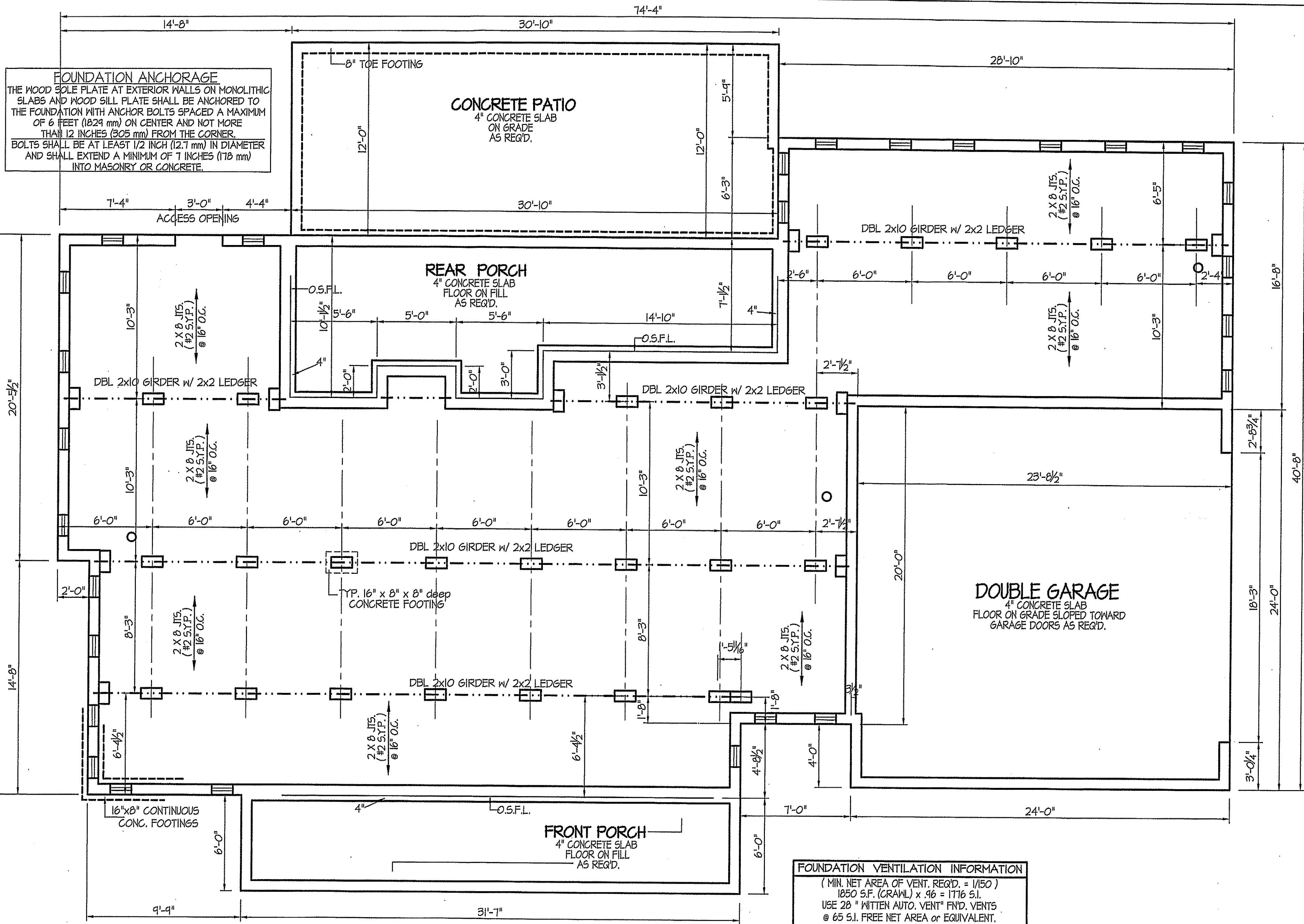
EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES

**Campbell-Benson**

PLAN:

SHEET NO.

**3**



**FOUNDATION VENTILATION INFORMATION**  
 (MIN. NET AREA OF VENT. REQ'D. = 1/150)  
 1850 S.F. (CRAWL) x .96 = 1776 S.I.  
 USE 28" WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.

(MIN. NET AREA CAN BE REDUCED TO 1/1500)  
 1850 S.F. (CRAWL) x .096 = 177.6 S.I.  
 USE 3" WITTEN AUTO. VENT" FND. VENTS @ 65 S.I. FREE NET AREA or EQUIVALENT.  
 w/ APPROVED 6-mil POLYETHYLENE VAPOR RETARDER or EQUIVALENT IN CRAWL SPACE.

REQUIRED VENTS ARE TO BE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE CRAWL SPACE.

BOX SILL  
**FOUNDATION PLAN**  
 SCALE: 1/4" = 1'-0"

TSB TB

COMPUTER FILE: Campbell MARCH-2020

DATE:  
JULY 13, 2020

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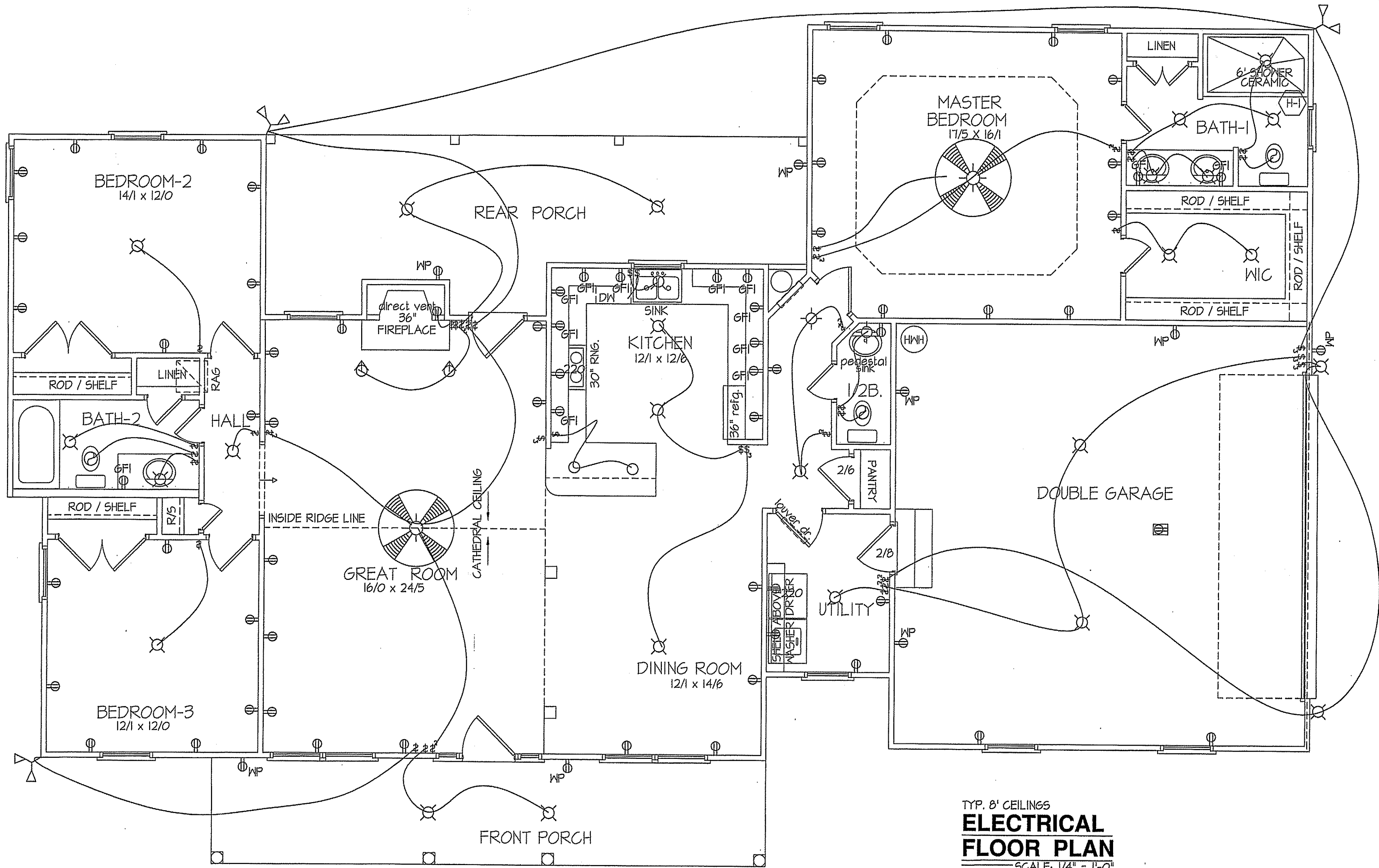


**EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
Campbell-Benson**

PLAN:

SHEET NO.

**4**



TYP. 8' CEILINGS  
**ELECTRICAL  
FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

TOTAL HEAT GAIN = 30,160 B.T.U.H.  
TOTAL HEAT LOSS = 47,125 B.T.U.H.

1885 S.F. (HEATED-FRAME)  
120 S.F. (FRONT PORCH)  
258 S.F. (REAR PORCH)

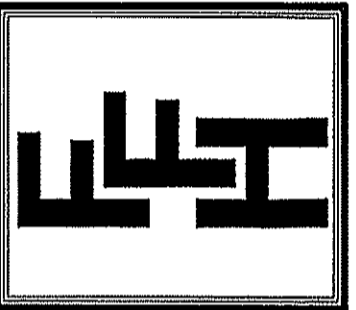
**NOTE:**  
HVAC CONTRACTOR TO PROVIDE OWNERS AND BUILDERS  
UNIT INFORMATION, BTUH REQUIREMENTS, AND  
DUCT LAYOUTS BEFORE CONSTRUCTION BEGINS.

ELECTRICAL LEGEND		
PROVIDE BURGLAR/SMOKE AND FIRE DETECTORS AS PER MANUFACTURER'S SPECIFICATIONS.		
PROVIDE CENTRAL VACUUM SYSTEM AS PER MANUFACTURER'S SPECIFICATIONS.		
ALL FANS ARE TO BE CONTROLLED BY VAR/SPEED AND DIRECTIONAL SWITCHES		
⊕ SURF. MOUNTED LIGHT	⊖ TYPICAL WALL RECEP.	⊖ TYPICAL SWITCH
○ RECESSED LIGHT	⊖ TOP 1/2 HOT W/SWITCH	⊖ 3-WAY SWITCH
⊖ EYEBALL LIGHT	⊖ CEILING RECEPTACLE	⊖ 4-WAY SWITCH
⊖ FAN/LIGHT COMB.	○ FLOOR RECEPTACLE	⊖ DIMMER SWITCH
— FLUORESCENT TUBE	⊖ WATERPROOF RECEP.	⊖ ELEC. PANEL BOX
⊖ FLUOR. LIGHT FIXTURE	⊖ GROUND FAULT	⊖ T.V. CABLE RECEP.
⊖ EXHAUST FAN	⊖ DISPOSAL UNIT	⊖ TELEPHONE JACK
⊖ CL'G. FAN	⊖ 220 VOLT RECEPTACLE	⊖ COMPUTER JACK
⊖ FLOOD LIGHT		

*TSB*

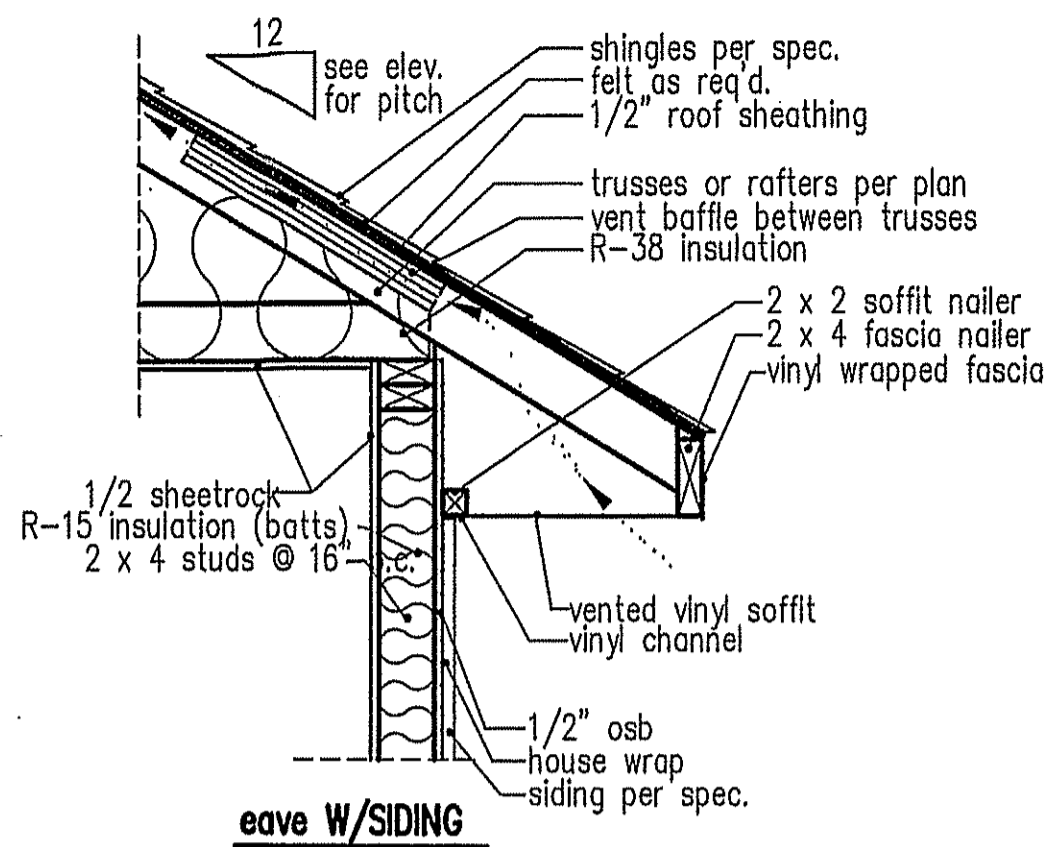
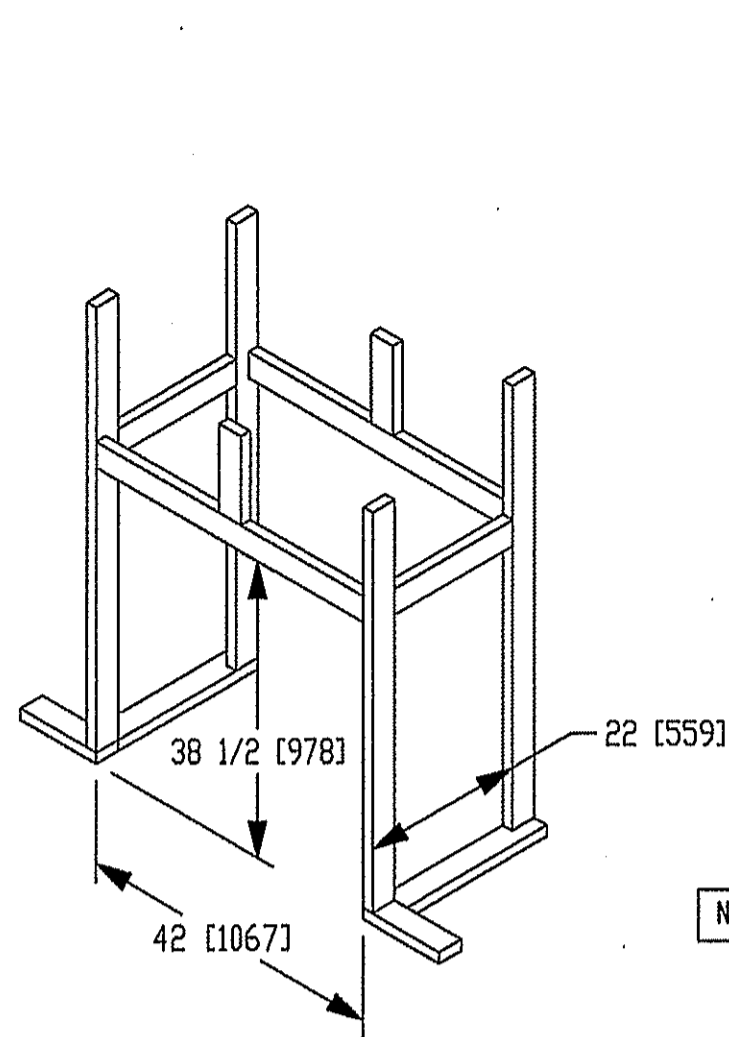
DATE:  
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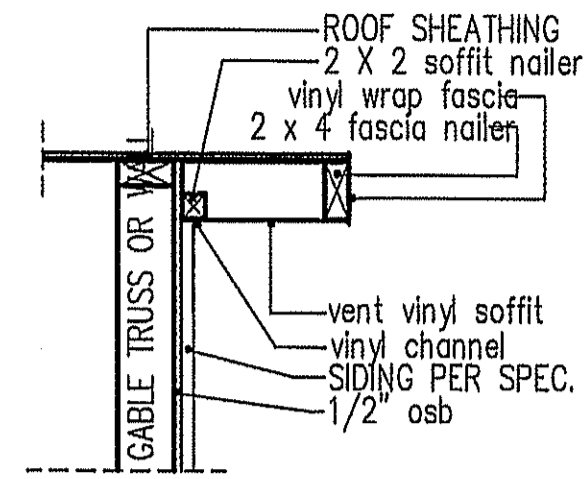
EXCLUSIVE PLAN FOR  
FREEDOM FAMILY HOMES  
**Campbell-Benson**

PLAN:  
SHEET NO.  
**5**



NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

**standard eave details**



**RAKE w/SIDING**

NOTE: OVERHANG DISTANCE NOTED ON ELEVATION SHEET IS ALWAYS MEASURED FROM FRAME LINE

TABLE R602.7.5  
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

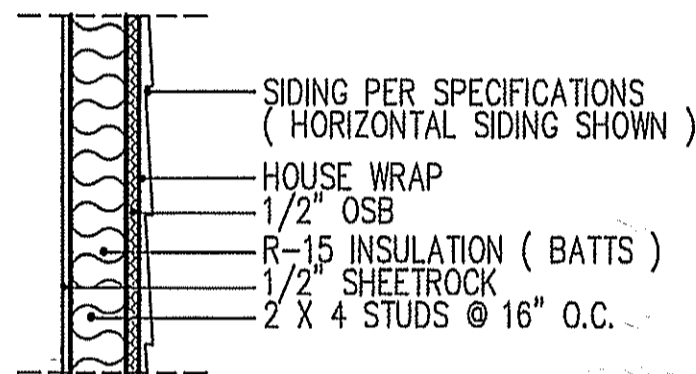
HEADER SPAN (feet)	MAX. STUD SPACING (inches) [per Table R602.3(5)]	
	16	24
< 3'	1	1
4'	2	1
8'	3	2
12'	5	3
16'	6	4

GIRDER AND HEADER SIZES AND JACK STUD REQUIREMENTS ON EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE TO COINCIDE WITH TABLE EXT.~R602.7 (1) AND INT.~R602.7 (2).

DIMENSIONS IN ( ) ARE MM

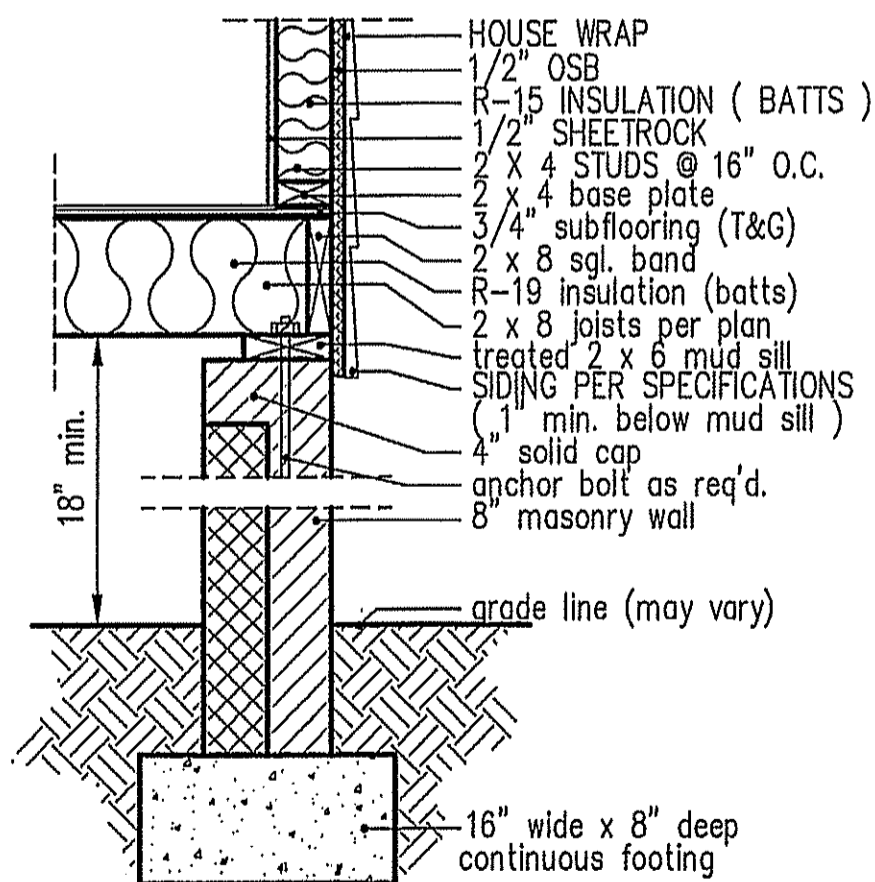
Model 6000-TR	Height		Front Width		Back Width		Depth		Glass Size	BTU Input
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing		
Inches	38	38-1/2	41	42	28-1/2	42	21-1/2	22		

Reference dimensions only. We recommend measuring individual units at installation.

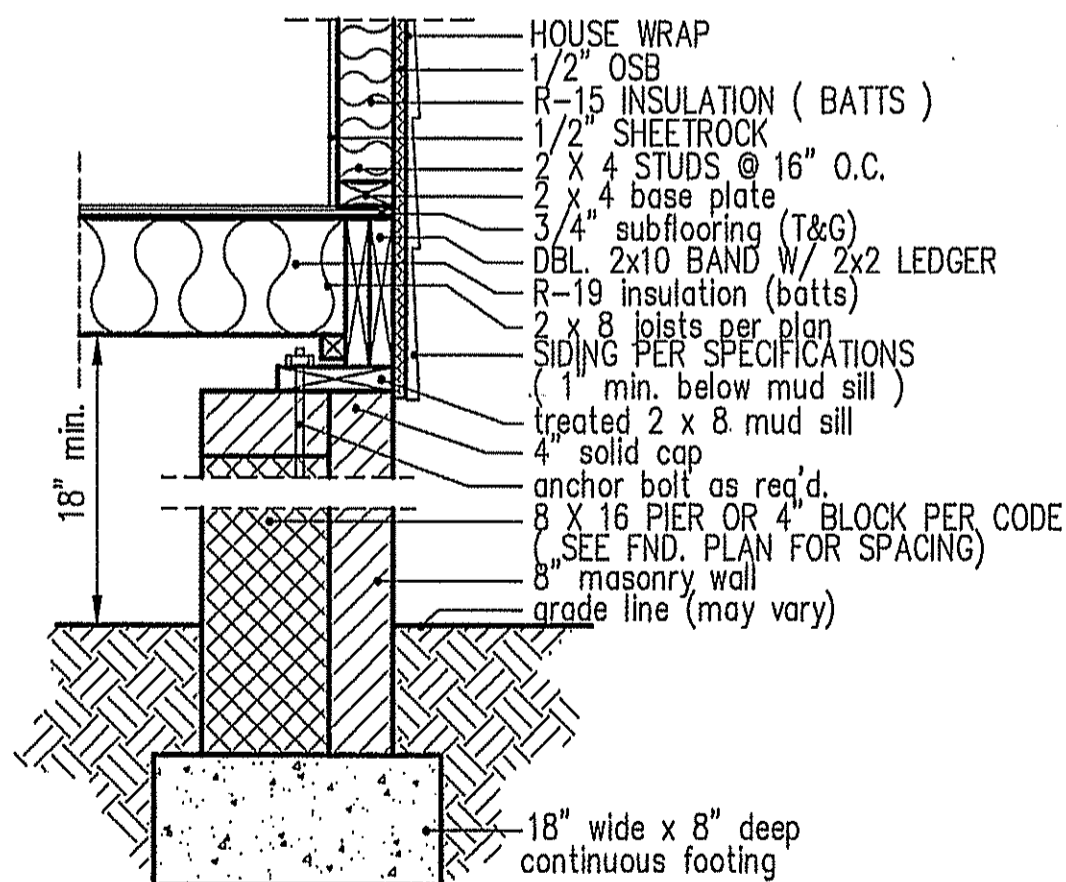


**WALL w/siding**

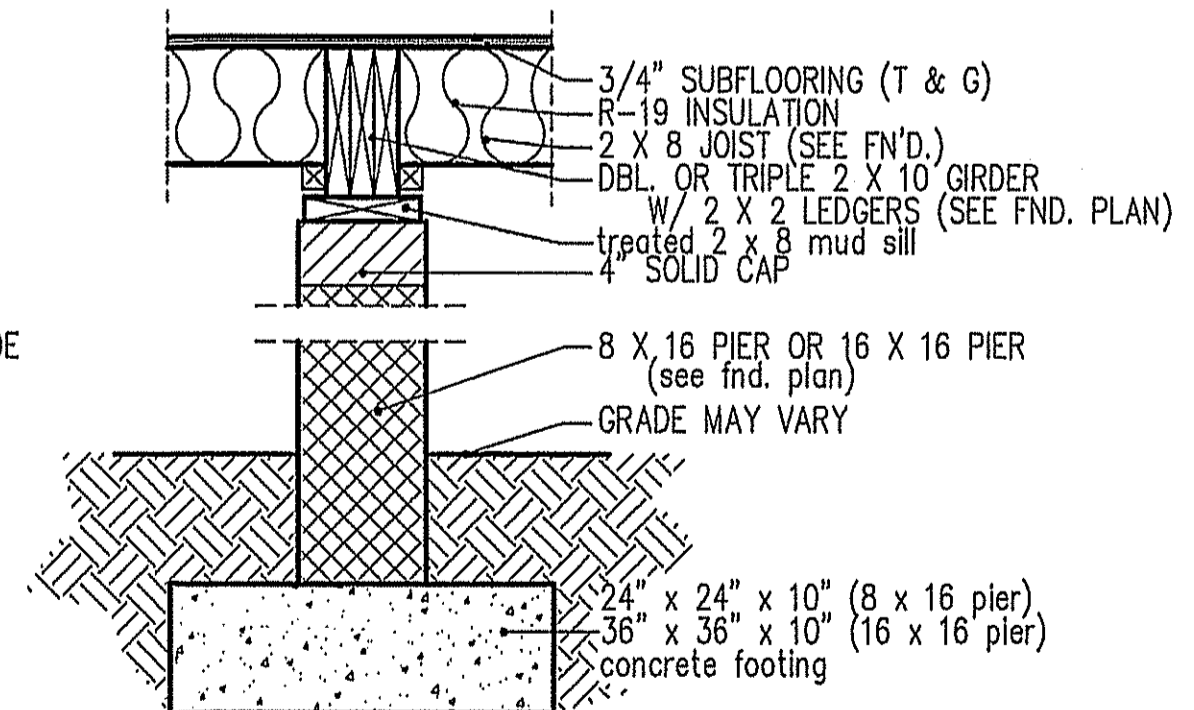
**intermediate wall details**



**8" BOX SILL FOUNDATION WALL**



**PIER and CURTAIN FOUNDATION WALL**



**PIER and GIRDER DETAIL**

TSD  
TB